Approved For Release 2008/07/28 : CIA-RDP78B04555A000200050025-7

IMMEDIATE

TOP SECRET

OUT 68125

T O P S E C R E T 071311Z AUG 69 CITE [redacted] 6766 7 AUG 69 13 25X1
IMMEDIATE [redacted] 25X1
AS REQUESTED IN MEETING ON 23 JULY 1969, [redacted] HAS COMPILED THE 25X1
SAMPLE LIST OF INPUT PARAMETERS USED IN COMPUTING GEODETIC LATITUDE
OF NADIR. THE FOLLOWING LISTS ALL THESE PARAMETERS AND OUTPUT
RESULTS USED IN PRODUCING [redacted] GEODETIC LATITUDE OF NADIR. THE 25X1
ROUTINE USES THE EARTH CENTERED INERTIAL (ECI) COORDINATES OF VEHICLE
TO PRODUCE THE DESIRED LATITUDE. THE COMPUTED ECI COORDINATES OF
NADIR POSITION ON MCD SPHEROID ARE ALSO LISTED FOR ADDITIONAL CROSS
REFERENCES. THE GEODETIC LATITUDE OF NADIR, BOTH THE MCD AND [redacted] 25X1
VERSIONS, ARE GIVEN IN DEGREES AND MINUTES TO HUNDREDTHS. ANY
QUESTIONS SHOULD BE DIRECTED TO [redacted] 25X1
25X1

	VEHICLE ECI	NADIR ECI	MCD LAT		[redacted] LAT	
X	0.42154869E&7	0.41217187E&7	12	14.94	12	50.04
Y	0.20488424E&8	0.20032685E&8				
Z	0.45115169E&07	0.44111640E&7				
X	0.37103699E&7	0.3631177E&7	21	20.94	21	21.11
Y	0.19574787E&8	0.1915699E&8				
Z	0.77364184E&7	0.75712952E&7				
X	0.29835601E&7	0.29203860E&7	32	45.39	32	45.61
Y	0.17746613E&8	0.17370845E&8				
Z	0.1150221E&8	0.11258661E&8				
X	0.15446028E&8	0.15117978E&8	40	22.55	40	22.78
Y	0.52360635E&7	0.51248575E&7				
Z	0.13777559E&8	0.13484945E&8				
X	0.13834939E&8	0.13540335E&8	45	36.50	45	36.74
Y	0.57489769E&7	0.56265569E&7				
Z	0.15203114E&8	0.14879376E&8				
X	0.12140030E&8	0.11878500E&8	50	32.37	50	32.61
Y	0.61703792E&8	0.60374521E&7				
Z	0.16434924E&8	0.16080870E&8				
X	0.10520238E&8	0.10289629E&8	54	48.50	54	48.73
Y	0.64813831E&7	0.63393084E&7				
Z	0.17407138E&8	0.17025567E&8				
X	0.85775764E&7	0.83844275E&7	59	25.04	59	25.26
Y	0.67545069E&7	0.66024096E&7				
Z	0.18352816E&7	0.17939550E&8				

T O P S E C R E T

DISTRIBUTION		
CY	OFFICE	PI
1	FILE	
	CABLE SEC.	
	PP&B/RD	
	SECUR.	
	TSSO	
	PSG/OC	
	RCD	
	NE/RO	
2	[redacted]	✓
	LAO	
	PSO	
	SCIEN	
	WEST	
	EAST	
	M&S	
	PGM	
	IAS	
	DIA-XX4	
	SPAD	
	DIA-AP	
	[redacted]	25X1
	CMX	

ADVANCE CY
SANITIZED

TOP SECRET

GROUP 1
Excluded from automatic downgrading and declassification

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